

CLAIMS

1. Hood (2 ; 102) for a vehicle comprising:
 - a wall (4) containing a first material ; and
 - 5 - an inner panel (6 ; 106) containing a second material more brittle than the first material, characterized in that the inner panel comprises ribs (20 ; 120).
- 10 2. Hood as in the preceding claim, characterized in that at least one of the ribs (20 ; 120) is planar.
3. Hood as in any of the preceding claims, characterized in that at least two of the ribs (20) are
15 perpendicular to each other.
4. Hood as in any of the preceding claims characterized in that at least two of the ribs (20 ; 120) are parallel to each other.
20
5. Hood as in any of the preceding claims, characterized in that at least one of the ribs (20 ; 120) is perpendicular to the wall (4).
- 25 6. Hood as in any of the preceding claims, characterized in that the ribs (20 ; 120) extend over only part of the surface of the inner panel (4).
7. Hood as in any of the preceding claims, characterized in that the ribs (20 ; 120) extend into at least
30 one zone of the inner panel chosen from among:
 - a front half ;
 - a rear half ; and
 - a front lateral edge zone.
- 35 8. Hood as in any of the preceding claims, characterized in that at least some of the ribs (20 ; 120)

extend along a general direction perpendicular to a direction of the hood edge the closest to these ribs.

5 9. Hood as in any of the preceding claims, characterized in that at least some of the ribs (20 ; 120) are inclined with respect to a longitudinal direction of the vehicle.

10 10. Hood as in any of the preceding claims characterized in that at least some of the ribs (20 ; 120) each consist of a single planar rib wall.

15 11. Hood as in any of the preceding claims, characterized in that at least some of the ribs (20 ; 120) have free, upper end longitudinal edges.

20 12. Hood as in any of the preceding claims, characterized in that at least some of the ribs (20 ; 120) form open, mutually continuous cells, in particular upwardly open.

25 13. Hood as in any of the preceding claims, characterized in that at least one of the ribs (20 ; 120) is not in contact with the wall (4).

 14. Hood as in any of the preceding claims, characterized in that the inner panel (106) comprises at least one guard (140, 142).

30 15. Hood as in the preceding claim, characterized in that the guard or at least one of the guards (140) is of elongate shape along a rectilinear axis, e.g. parallel to a longitudinal direction of the vehicle.

35 16. Hood as in either of claims 14 to 15, characterized in that the guard or at least one of the guards (142) has an elongate shape along a non-rectilinear axis.

17. Hood as in any of claims 14 to 16, characterized in that the guard or at least one of the guards (140, 142) is not in contact with the wall (4).

5

18. Hood as in any of claims 14 to 17, characterized in that the wall (4) being the hood wall, the guard (140, 142) or at least one of the guards comprises a guard wall locally parallel to the wall of the hood.

10

19. Hood as in the preceding claim, characterized in that the guard wall extends on the side of the guard (140, 142) which is closest to the wall (4) of the hood.

15

20. Hood as in any of the preceding claims, characterized in that the first material contains a metal such as steel or aluminium.

21. Hood as in any of the preceding claims characterized in that the second material is chosen from the group consisting of

- a thermodur obtained by sheet moulding compound ;
- a thermodur obtained by bulk moulding compound; and
- a fibre-reinforced thermoplastic.

25